



MongoDB Physical Model

Schema for:

Model name: JPress

Author: JPress

Version:

File name: MongoDB model JPress.hck.json

File path: C:\Users\CS\Downloads\MongoDB model JPress.hck.json

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Created with: [Hackolade](#) - Polyglot data modeling for NoSQL databases, storage formats, REST APIs, and JSON in RDBMS

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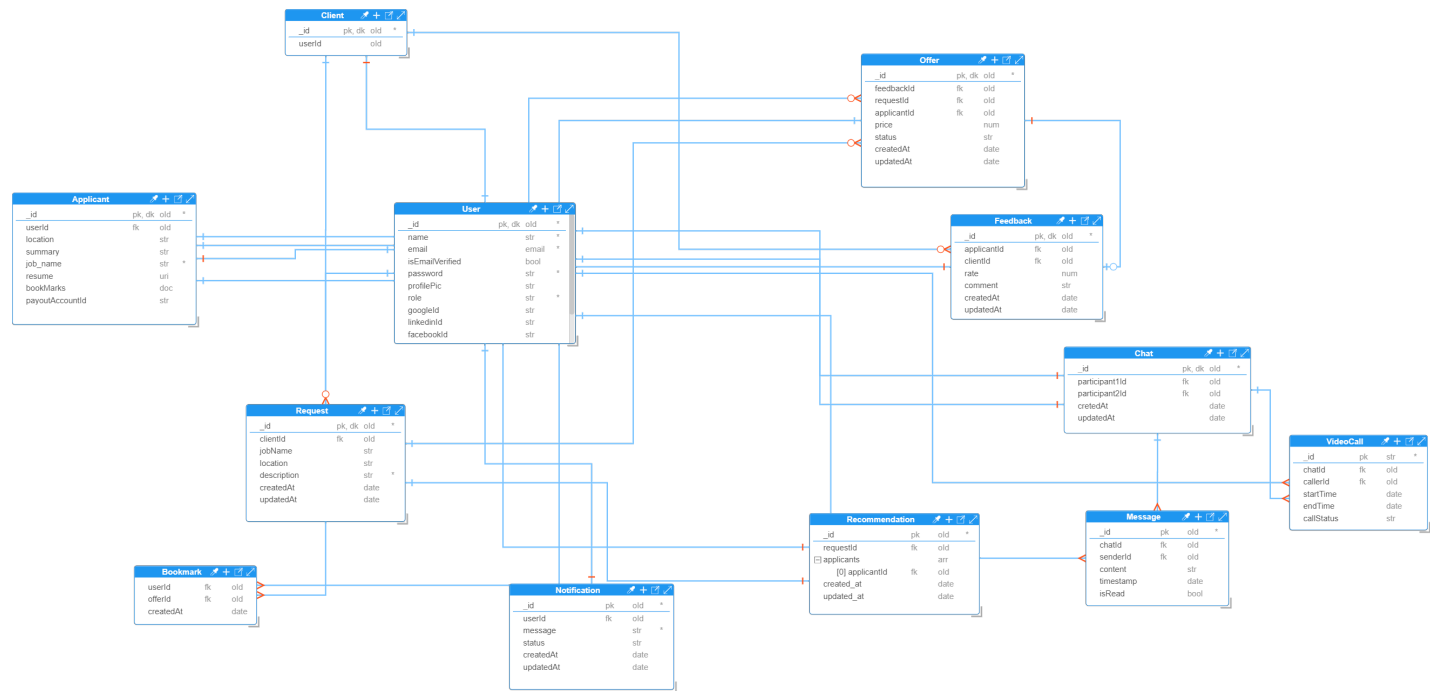
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- 3.15 fk_User._id_to_Message.senderId
- 3.16 fk_User._id_to_VideoCall.callerId
- 3.17 fk_Applicant._id_to_Recommendation.applicants.[0]
- 3.18 fk_User._id_to_Bookmark.userId
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1. MODEL

1.1 Model JPress

1.1.1 JPress Entity Relationship Diagram



1.1.2 JPress Properties

1.1.2.1 Details tab

PROPERTY	VALUE
Model name	JPress
Technical name	JPress
Description	
Author	JPress
Version	
Target	MongoDB
DB version	v7.x
Synchronization Id	
Lineage capture	
Polyglot models	
Comments	

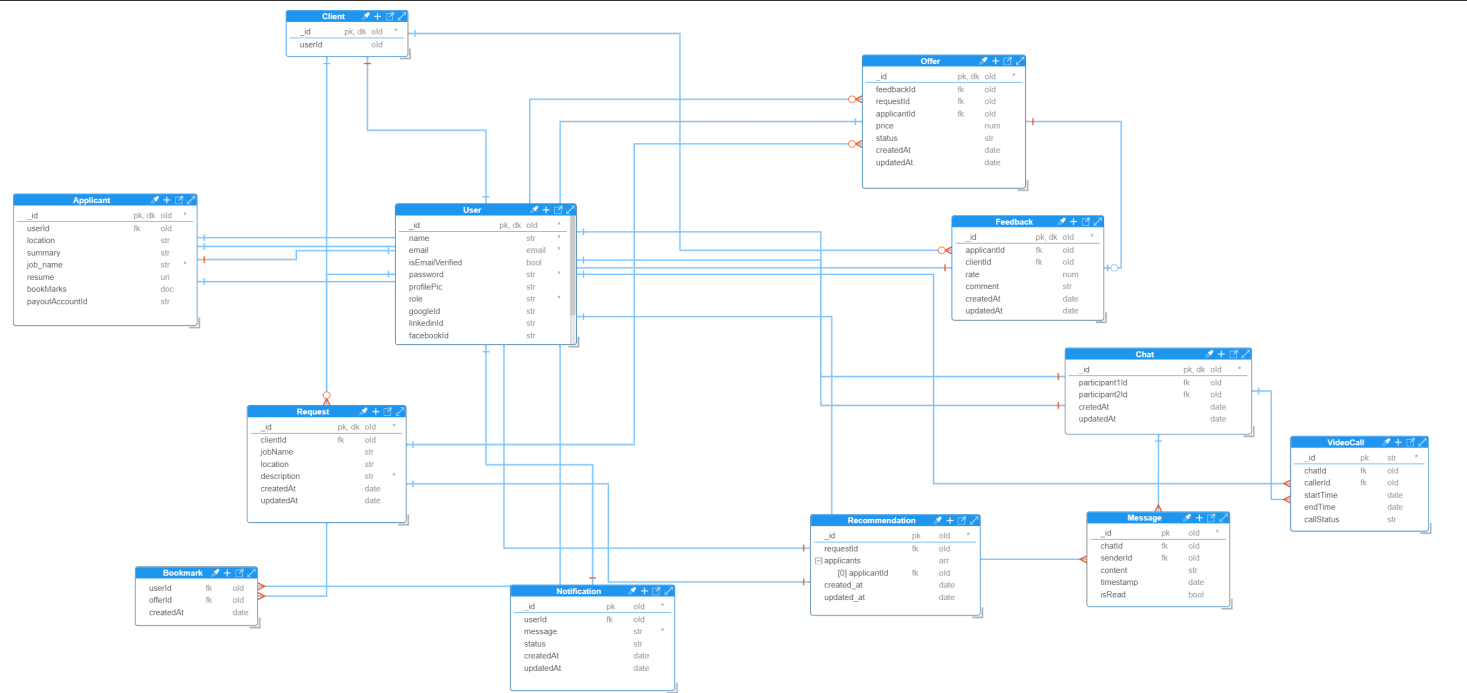
1.1.2.2 Options tab

PROPERTY	VALUE
Color	

1.1.3 JPress DB Definitions

2. DATABASES

2.1 Database Undefined Database



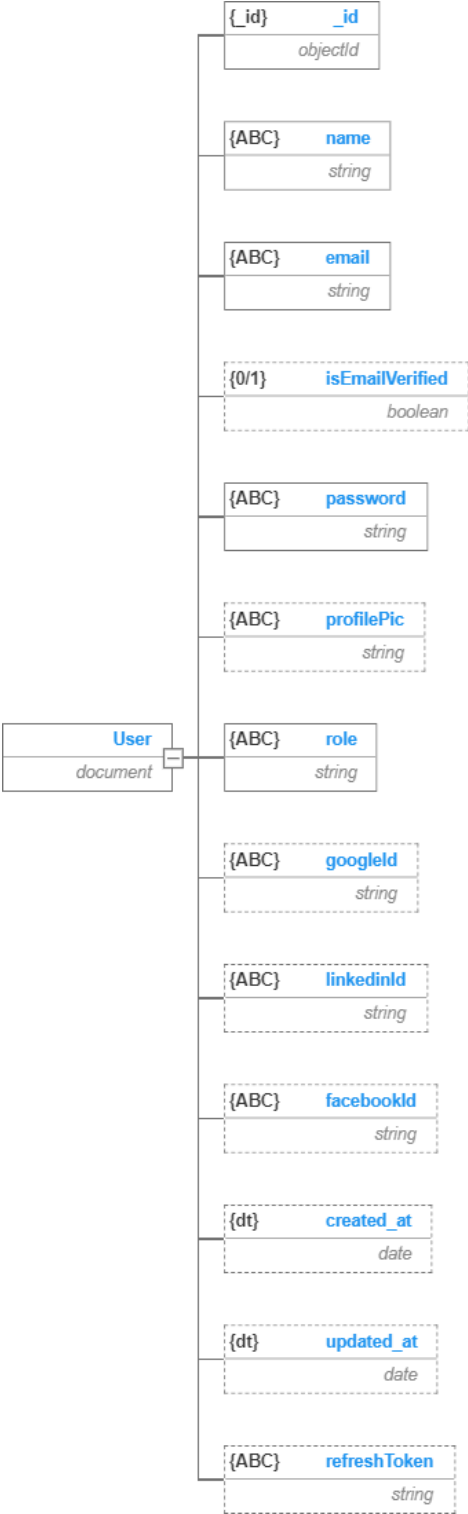
2.1.1 Undefined Database Properties

PROPERTY	VALUE
Database name	Undefined Database
Technical name	
Activated	
Enable sharding	
Description	
Comments	

2.1.2 Undefined Database Collections

2.1.2.1 Collection User

2.1.2.1.1 User Tree Diagram



2.1.2.1.2 User Properties

PROPERTY	VALUE
Collection name	User
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Strict
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.1.3 User Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
name	string	true			
email	email	true			
isEmailVerified	boolean	false			
password	string	true			
profilePic	string	false			
role	string	true			
googleId	string	false			
linkedinId	string	false			
facebookId	string	false			
created_at	date	false			
updated_at	date	false			
refreshToken	string	false			

2.1.2.1.3.1 Field _id

2.1.2.1.3.1.1 _id Tree Diagram



2.1.2.1.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.1.3.2 Field name

2.1.2.1.3.2.1 name Tree Diagram



2.1.2.1.3.2.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	2
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.3 Field email

2.1.2.1.3.3.1 email Tree Diagram

{ABC}	email
	string

2.1.2.1.3.3.2 email properties

PROPERTY	VALUE
Name	email
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	email
Pattern	example@gmail.com
Min length	
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.4 Field isEmailVerified

2.1.2.1.3.4.1 isEmailVerified Tree Diagram



2.1.2.1.3.4.2 isEmailVerified properties

PROPERTY	VALUE
Name	isEmailVerified
Technical name	
Activated	true
Id	
Field-level encryption	
Type	boolean
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.1.3.5 Field password

2.1.2.1.3.5.1 password Tree Diagram

{ABC}	password
	string

2.1.2.1.3.5.2 password properties

PROPERTY	VALUE
Name	password
Technical name	
Activated	true
Id	
Field-level encryption	true
Encryption options	
Explicit (manual)	
Key ID	
Algorithm	random
Type	string
Description	
Format	
Pattern	
Min length	4
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.6 Field profilePic

2.1.2.1.3.6.1 profilePic Tree Diagram



2.1.2.1.3.6.2 profilePic properties

PROPERTY	VALUE
Name	profilePic
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.7 Field role

2.1.2.1.3.7.1 role Tree Diagram

{ABC}	role
	string

2.1.2.1.3.7.2 role properties

PROPERTY	VALUE
Name	role
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	client,applicant
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.8 Field googleld

2.1.2.1.3.8.1 googleld Tree Diagram



2.1.2.1.3.8.2 googleId properties

PROPERTY	VALUE
Name	googleId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.9 Field linkedInId

2.1.2.1.3.9.1 linkedInId Tree Diagram

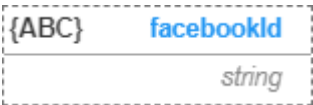


2.1.2.1.3.9.2 linkedinId properties

PROPERTY	VALUE
Name	linkedinId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.10 Field facebookId

2.1.2.1.3.10.1 facebookId Tree Diagram

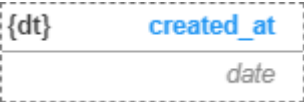


2.1.2.1.3.10.2 facebookId properties

PROPERTY	VALUE
Name	facebookId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.11 Field created_at

2.1.2.1.3.11.1 created_at Tree Diagram



2.1.2.1.3.11.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.1.3.12 Field updated_at

2.1.2.1.3.12.1 updated_at Tree Diagram



2.1.2.1.3.12.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.1.3.13 Field refreshToken

2.1.2.1.3.13.1 refreshToken Tree Diagram



2.1.2.1.3.13.2 refreshToken properties

PROPERTY	VALUE
Name	refreshToken
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.4 User JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "User",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "name": {
      "type": "string",
      "minLength": 2
    },
    "email": {
      "type": "string",
      "format": "email",
      "pattern": "example@gmail.com"
    },
    "isEmailVerified": {
      "type": "boolean"
    },
    "password": {
      "type": "string",
      "minLength": 4
    },
    "profilePic": {
      "type": "string"
    },
    "role": {
      "type": "string",
      "enum": [
        "client",
        "applicant"
      ]
    },
    "googleId": {
      "type": "string"
    },
    "linkedinId": {
      "type": "string"
    },
    "facebookId": {
      "type": "string"
    },
    "created_at": {
      "type": "string",
      "format": "date"
    },
    "updated_at": {
      "type": "string",
      "format": "date"
    },
    "refreshToken": {
      "type": "string"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id",
    "name",
```

```
"email",  
  "password",  
  "role"  
]  
}
```

2.1.2.1.5 User JSON data

```
{  
  "_id": ObjectId("e2fa729cb8cbf41ac7e7291a"),  
  "name": "Lorem",  
  "email": "example@gmailVcom",  
  "isEmailVerified": true,  
  "password": BinData(6,"jk66mm897IbL7Iq3nZ"),  
  "profilePic": "Lorem",  
  "role": "client",  
  "googleId": "Lorem",  
  "linkedinId": "Lorem",  
  "facebookId": "Lorem",  
  "created_at": ISODate("2016-04-08T15:06:21.595Z"),  
  "updated_at": ISODate("2016-04-08T15:06:21.595Z"),  
  "refreshToken": "Lorem"  
}
```

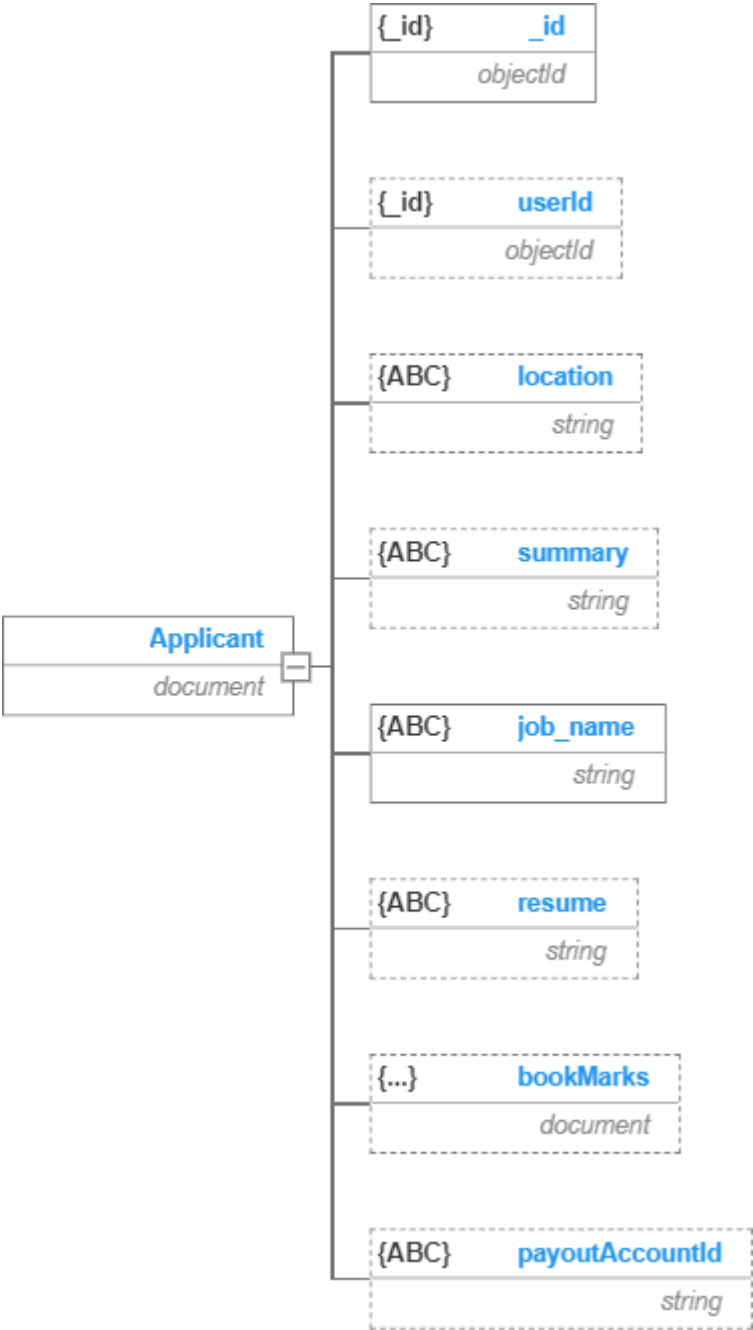
2.1.2.1.6 User Target Script

```
db.createCollection("User", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "User",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "name": {
          "bsonType": "string",
          "minLength": 2
        },
        "email": {
          "bsonType": "string",
          "pattern": "example@gmail.com"
        },
        "isEmailVerified": {
          "bsonType": "bool"
        },
        "password": {
          "encrypt": {
            "bsonType": "string",
            "algorithm": "AEAD_AES_256_CBC_HMAC_SHA_512-Random"
          }
        },
        "profilePic": {
          "bsonType": "string"
        },
        "role": {
          "bsonType": "string",
          "enum": [
            "client",
            "applicant"
          ]
        },
        "googleId": {
          "bsonType": "string"
        },
        "linkedinId": {
          "bsonType": "string"
        },
        "facebookId": {
          "bsonType": "string"
        },
        "created_at": {
          "bsonType": "date"
        },
        "updated_at": {
          "bsonType": "date"
        },
        "refreshToken": {
          "bsonType": "string"
        }
      }
    },
    "additionalProperties": false,
    "required": [
      "_id",
      "name",
```

```
        "email",
        "password",
        "role"
    ]
  },
  "validationLevel": "strict"
});
```

2.1.2.2 Collection Applicant

2.1.2.2.1 Applicant Tree Diagram



2.1.2.2.2 Applicant Properties

PROPERTY	VALUE
Collection name	Applicant
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Strict
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.2.3 Applicant Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
userId	objectId	false	fk		
location	string	false			
summary	string	false			
job_name	string	true			
resume	uri	false			
bookMarks	document	false			
payoutAccountId	string	false			

2.1.2.2.3.1 Field _id

2.1.2.2.3.1.1 _id Tree Diagram



2.1.2.2.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.2.3.2 Field userId

2.1.2.2.3.2.1 userId Tree Diagram



2.1.2.2.3.2.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Applicant.userId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.2.3.3 Field location

2.1.2.2.3.3.1 location Tree Diagram



2.1.2.2.3.3.2 location properties

PROPERTY	VALUE
Name	location
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.4 Field summary

2.1.2.2.3.4.1 summary Tree Diagram



2.1.2.2.3.4.2 summary properties

PROPERTY	VALUE
Name	summary
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.5 Field job_name

2.1.2.2.3.5.1 job_name Tree Diagram

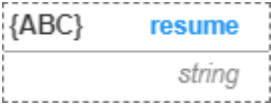
{ABC}	job_name
	string

2.1.2.2.3.5.2 job_name properties

PROPERTY	VALUE
Name	job_name
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.6 Field resume

2.1.2.2.3.6.1 resume Tree Diagram

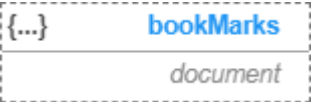


2.1.2.2.3.6.2 resume properties

PROPERTY	VALUE
Name	resume
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	uri
Pattern	"link_to_resume.pdf"
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.3.7 Field bookMarks

2.1.2.2.3.7.1 bookMarks Tree Diagram



2.1.2.2.3.7.2 bookMarks properties

PROPERTY	VALUE
Name	bookMarks
Technical name	
Activated	true
Id	
Field-level encryption	
Type	document
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.2.3.8 Field payoutAccountld

2.1.2.2.3.8.1 payoutAccountld Tree Diagram



2.1.2.2.3.8.2 payoutAccountId properties

PROPERTY	VALUE
Name	payoutAccountId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.2.4 Applicant JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Applicant",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "userId": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "location": {
      "type": "string"
    },
    "summary": {
      "type": "string"
    },
    "job_name": {
      "type": "string"
    },
    "resume": {
      "type": "string",
      "format": "uri",
      "pattern": "\\link_to_resume.pdf$"
    },
    "bookMarks": {
      "type": "object",
      "additionalProperties": false
    },
    "payoutAccountId": {
      "type": "string"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id",
    "job_name"
  ]
}
```

2.1.2.2.5 Applicant JSON data

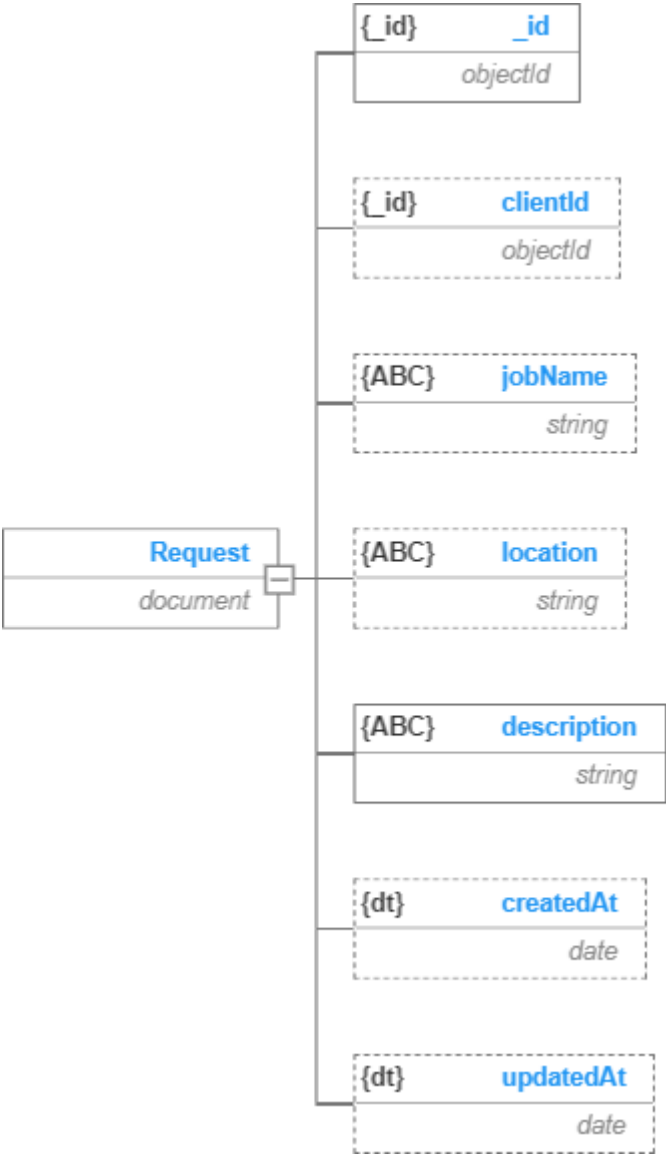
```
{
  "_id": ObjectId("12cb0d61d8d7fcdf76d8f02c"),
  "userId": ObjectId("92221d0dfc646bc7cfcb370e"),
  "location": "Lorem",
  "summary": "Lorem",
  "job_name": "Lorem",
  "resume": "\\link_to_resume^pdf",
  "bookMarks": {},
  "payoutAccountId": "Lorem"
}
```

2.1.2.2.6 Applicant Target Script

```
db.createCollection("Applicant", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Applicant",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "objectId"
        },
        "location": {
          "bsonType": "string"
        },
        "summary": {
          "bsonType": "string"
        },
        "job_name": {
          "bsonType": "string"
        },
        "resume": {
          "bsonType": "string",
          "pattern": "\\link_to_resume.pdf\\\""
        },
        "bookMarks": {
          "bsonType": "object",
          "additionalProperties": false
        },
        "payoutAccountId": {
          "bsonType": "string"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id",
        "job_name"
      ]
    }
  },
  "validationLevel": "strict",
  "validationAction": "warn"
});
```

2.1.2.3 Collection Request

2.1.2.3.1 Request Tree Diagram



2.1.2.3.2 Request Properties

PROPERTY	VALUE
Collection name	Request
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.3.3 Request Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
clientId	objectId	false	fk		
jobName	string	false			
location	string	false			
description	string	true			
createdAt	date	false			
updatedAt	date	false			

2.1.2.3.3.1 Field _id

2.1.2.3.3.1.1 _id Tree Diagram



2.1.2.3.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.3.3.2 Field clientId

2.1.2.3.3.2.1 clientId Tree Diagram



2.1.2.3.3.2.2 clientId properties

PROPERTY	VALUE
Name	clientId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Client
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Client._id_to_Request.clientId
Cardinality	0..n
Default	
Sample	
Comments	

2.1.2.3.3.3 Field jobName

2.1.2.3.3.3.1 jobName Tree Diagram



2.1.2.3.3.3.2 jobName properties

PROPERTY	VALUE
Name	jobName
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.3.3.4 Field location

2.1.2.3.3.4.1 location Tree Diagram



2.1.2.3.3.4.2 location properties

PROPERTY	VALUE
Name	location
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.3.3.5 Field description

2.1.2.3.3.5.1 description Tree Diagram

{ABC}	description
	string

2.1.2.3.3.5.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.3.3.6 Field createdAt

2.1.2.3.3.6.1 createdAt Tree Diagram



2.1.2.3.3.6.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Now	true
Faker function	
Sample	
Comments	

2.1.2.3.3.7 Field updatedAt

2.1.2.3.3.7.1 updatedAt Tree Diagram



2.1.2.3.3.7.2 updatedAt properties

PROPERTY	VALUE
Name	updatedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.3.4 Request JSON Schema


```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Request",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "clientId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "jobName": {
      "type": "string"
    },
    "location": {
      "type": "string"
    },
    "description": {
      "type": "string"
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    },
    "updatedAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id",
    "description"
  ]
}
```

2.1.2.3.5 Request JSON data

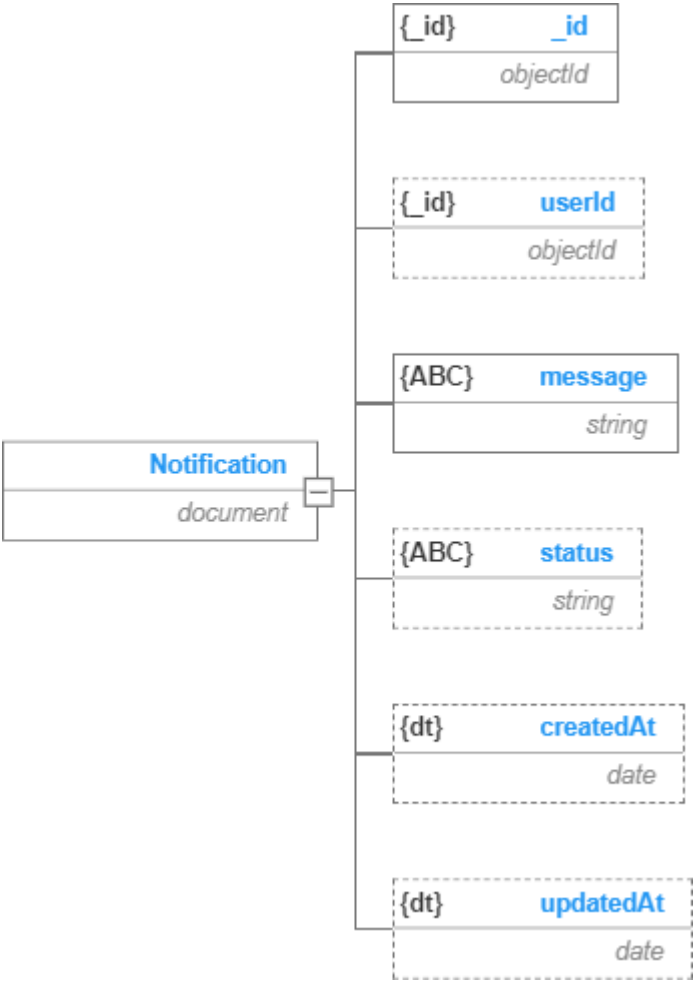
```
{
  "_id": ObjectId("073bff7c2fd3cbde6abf020f"),
  "clientId": ObjectId("aac502de38b99b55fab16ce2"),
  "jobName": "Lorem",
  "location": "Lorem",
  "description": "Lorem",
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.3.6 Request Target Script

```
db.createCollection("Request", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Request",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "clientId": {
          "bsonType": "objectId"
        },
        "jobName": {
          "bsonType": "string"
        },
        "location": {
          "bsonType": "string"
        },
        "description": {
          "bsonType": "string"
        },
        "createdAt": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id",
        "description"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.4 Collection Notification

2.1.2.4.1 Notification Tree Diagram



2.1.2.4.2 Notification Properties

PROPERTY	VALUE
Collection name	Notification
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.4.3 Notification Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk		
userId	objectId	false	fk		
message	string	true			
status	string	false			
createdAt	date	false			
updatedAt	date	false			

2.1.2.4.3.1 Field _id

2.1.2.4.3.1.1 _id Tree Diagram



2.1.2.4.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.4.3.2 Field userId

2.1.2.4.3.2.1 userId Tree Diagram

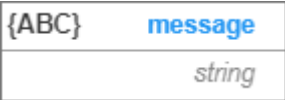


2.1.2.4.3.2.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Notification.userId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.4.3.3 Field message

2.1.2.4.3.3.1 message Tree Diagram



2.1.2.4.3.3.2 message properties

PROPERTY	VALUE
Name	message
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	true
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.4 Field status

2.1.2.4.3.4.1 status Tree Diagram



2.1.2.4.3.4.2 status properties

PROPERTY	VALUE
Name	status
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	unread
Enum	unread,read
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.4.3.5 Field createdAt

2.1.2.4.3.5.1 createdAt Tree Diagram



2.1.2.4.3.5.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Now	true
Faker function	
Sample	
Comments	

2.1.2.4.3.6 Field updatedAt

2.1.2.4.3.6.1 updatedAt Tree Diagram



2.1.2.4.3.6.2 updatedAt properties

PROPERTY	VALUE
Name	updatedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.4.4 Notification JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Notification",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "userId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "message": {
      "type": "string"
    },
    "status": {
      "type": "string",
      "default": "unread",
      "enum": [
        "unread",
        "read"
      ]
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    },
    "updatedAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id",
    "message"
  ]
}
```

2.1.2.4.5 Notification JSON data

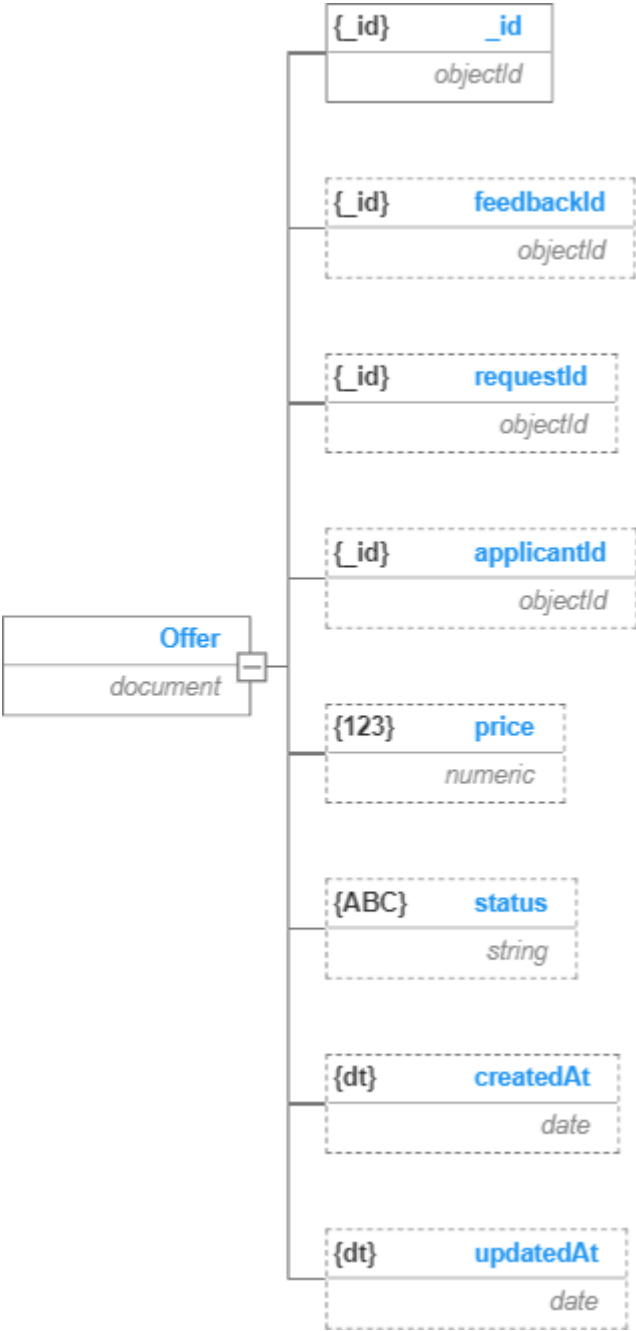
```
{
  "_id": ObjectId("5ec28cd7562be7f1b7e6e09a"),
  "userId": ObjectId("cbcde6b26fea55dcb5d79a6"),
  "message": "Lorem",
  "status": "unread",
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.4.6 Notification Target Script

```
db.createCollection("Notification", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Notification",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "objectId"
        },
        "message": {
          "bsonType": "string"
        },
        "status": {
          "bsonType": "string",
          "enum": [
            "unread",
            "read"
          ]
        },
        "createdAt": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id",
        "message"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.5 Collection Offer

2.1.2.5.1 Offer Tree Diagram



2.1.2.5.2 Offer Properties

PROPERTY	VALUE
Collection name	Offer
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.5.3 Offer Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
feedbackId	objectId	false	fk		
requestId	objectId	false	fk		
applicantId	objectId	false	fk		
price	numeric	false			
status	string	false			
createdAt	date	false			
updatedAt	date	false			

2.1.2.5.3.1 Field _id

2.1.2.5.3.1.1 _id Tree Diagram



2.1.2.5.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.5.3.2 Field feedbackId

2.1.2.5.3.2.1 feedbackId Tree Diagram



2.1.2.5.3.2.2 feedbackId properties

PROPERTY	VALUE
Name	feedbackId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Feedback
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Feedback._id_to_Offer.feedbackId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.5.3.3 Field requestId

2.1.2.5.3.3.1 requestId Tree Diagram

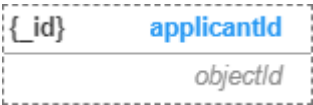


2.1.2.5.3.3.2 requestId properties

PROPERTY	VALUE
Name	requestId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Request
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Request._id_to_Offer.requestId
Cardinality	0..n
Default	
Sample	
Comments	

2.1.2.5.3.4 Field applicantId

2.1.2.5.3.4.1 applicantId Tree Diagram



2.1.2.5.3.4.2 applicantId properties

PROPERTY	VALUE
Name	applicantId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Applicant
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Applicant._id_to_Offer.applicantId
Cardinality	0..n
Default	
Sample	
Comments	

2.1.2.5.3.5 Field price

2.1.2.5.3.5.1 price Tree Diagram



2.1.2.5.3.5.2 price properties

PROPERTY	VALUE
Name	price
Technical name	
Activated	true
Id	
Field-level encryption	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Enum	
Faker function	
Sample	
Comments	

2.1.2.5.3.6 Field status

2.1.2.5.3.6.1 status Tree Diagram



2.1.2.5.3.6.2 status properties

PROPERTY	VALUE
Name	status
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	pending
Enum	pending,accepted,rejected
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.5.3.7 Field createdAt

2.1.2.5.3.7.1 createdAt Tree Diagram



2.1.2.5.3.7.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Now	true
Faker function	
Sample	
Comments	

2.1.2.5.3.8 Field updatedAt

2.1.2.5.3.8.1 updatedAt Tree Diagram



2.1.2.5.3.8.2 updatedAt properties

PROPERTY	VALUE
Name	updatedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.5.4 Offer JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Offer",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "feedbackId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "requestId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "applicantId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "price": {
      "type": "number"
    },
    "status": {
      "type": "string",
      "default": "pending",
      "enum": [
        "pending",
        "accepted",
        "rejected"
      ]
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    },
    "updatedAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.5.5 Offer JSON data

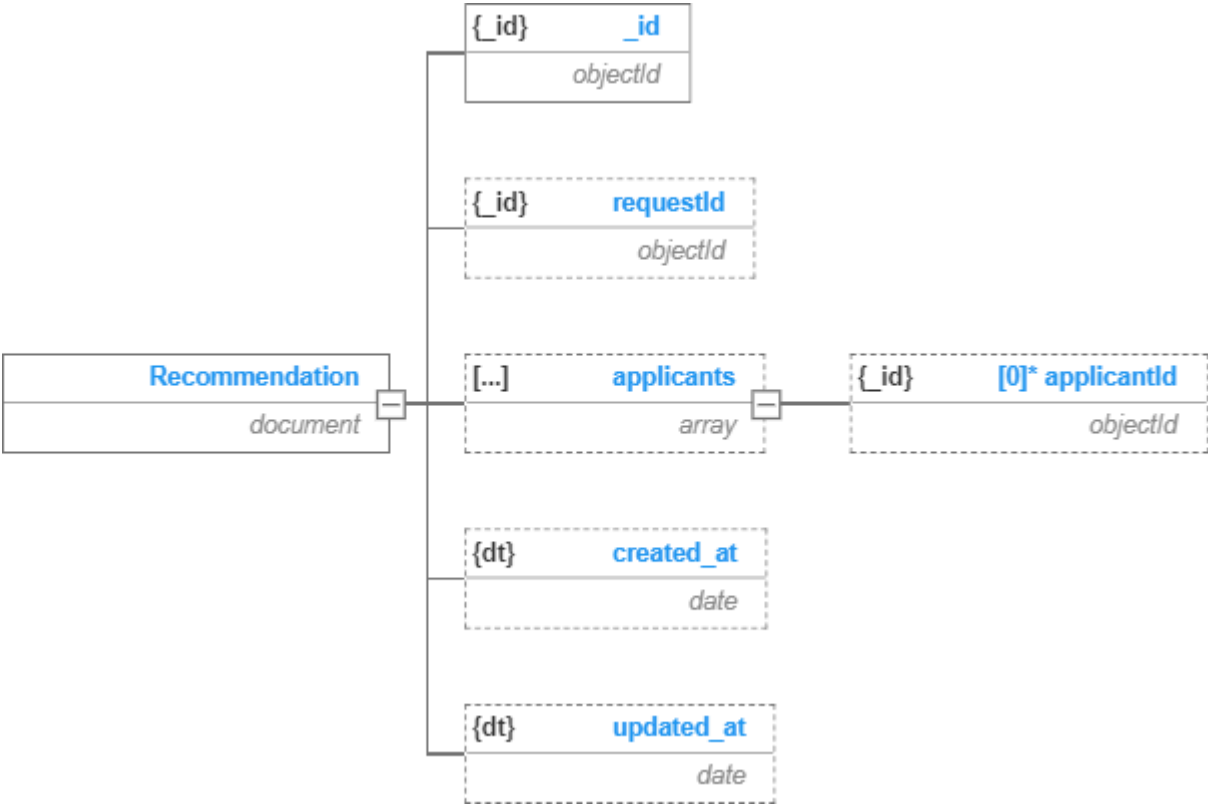
```
{
  "_id": ObjectId("3d1f5cc69bbd0175fb9abdf3"),
  "feedbackId": ObjectId("3f672ef0eb5cbcf0b94d2790"),
  "requestId": ObjectId("03e59e796af137be51b7faf1"),
  "applicantId": ObjectId("c14afc5ae4f20c2666bd3f13"),
  "price": -40,
  "status": "pending",
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.5.6 Offer Target Script

```
db.createCollection("Offer", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Offer",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "feedbackId": {
          "bsonType": "objectId"
        },
        "requestId": {
          "bsonType": "objectId"
        },
        "applicantId": {
          "bsonType": "objectId"
        },
        "price": {
          "bsonType": "number"
        },
        "status": {
          "bsonType": "string",
          "enum": [
            "pending",
            "accepted",
            "rejected"
          ]
        },
        "createdAt": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.6 Collection Recommendation

2.1.2.6.1 Recommendation Tree Diagram



2.1.2.6.2 Recommendation Properties

PROPERTY	VALUE
Collection name	Recommendation
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.6.3 Recommendation Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk		
requestId	objectId	false	fk		
applicants	array	false			
[0] applicantId	objectId	false	fk		
created_at	date	false			
updated_at	date	false			

2.1.2.6.3.1 Field _id

2.1.2.6.3.1.1 _id Tree Diagram



2.1.2.6.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.6.3.2 Field requestId

2.1.2.6.3.2.1 requestId Tree Diagram



2.1.2.6.3.2.2 requestId properties

PROPERTY	VALUE
Name	requestId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Request
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Request._id_to_Recommendation.requestId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.6.3.3 Field applicants

2.1.2.6.3.3.1 applicants Tree Diagram



2.1.2.6.3.3.2 applicants Hierarchy

Parent field: **Recommendation**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0] applicantId	objectId	false			

2.1.2.6.3.3.3 applicants properties

PROPERTY	VALUE
Name	applicants
Technical name	
Activated	true
Id	
Field-level encryption	
Type	array
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min items	
Max items	
Unique items	
Additional items	true
Quantification	
Comments	

2.1.2.6.3.4 Field [0] applicantId

2.1.2.6.3.4.1 [0] applicantId Tree Diagram

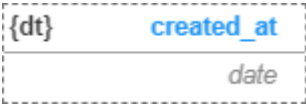


2.1.2.6.3.4.2 [0] applicantId properties

PROPERTY	VALUE
Display name	applicantId
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Primary key	
Foreign collection	Applicant
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Applicant._id_to_Recommendation.applicants.[0]
Cardinality	1
Default	
Sample	
Comments	

2.1.2.6.3.5 Field created_at

2.1.2.6.3.5.1 created_at Tree Diagram



2.1.2.6.3.5.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Now	true
Faker function	
Sample	
Comments	

2.1.2.6.3.6 Field updated_at

2.1.2.6.3.6.1 updated_at Tree Diagram



2.1.2.6.3.6.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.6.4 Recommendation JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Recommendation",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "requestId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "applicants": {
      "type": "array",
      "additionalItems": true,
      "items": {
        "type": "string",
        "pattern": "^[a-zA-F0-9]{24}$"
      }
    },
    "created_at": {
      "type": "string",
      "format": "date"
    },
    "updated_at": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.6.5 Recommendation JSON data

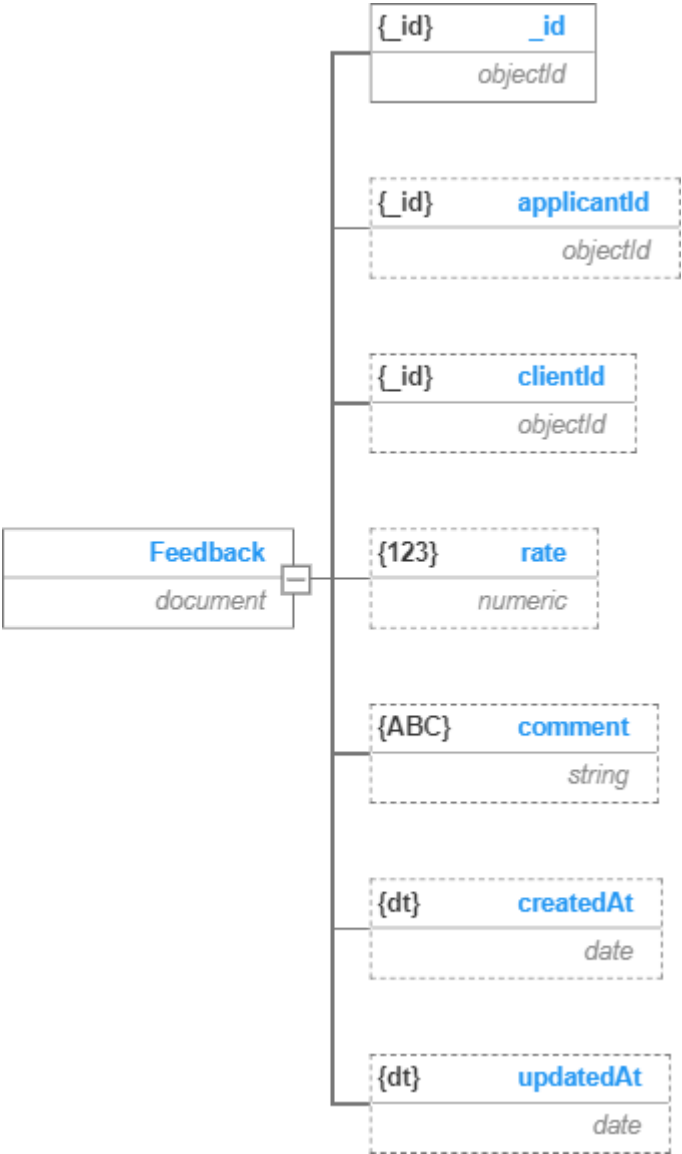
```
{
  "_id": ObjectId("dc6a2fd0593be10a0b3bd53d"),
  "requestId": ObjectId("ad8cbe96fc88bbaa8fa6c46f"),
  "applicants": [
    ObjectId("ecd7526f9dd451dca0a1e44a")
  ],
  "created_at": ISODate("2016-04-08T15:06:21.595Z"),
  "updated_at": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.6.6 Recommendation Target Script

```
db.createCollection("Recommendation", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Recommendation",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "requestId": {
          "bsonType": "objectId"
        },
        "applicants": {
          "bsonType": "array",
          "additionalItems": true,
          "items": {
            "bsonType": "objectId"
          }
        },
        "created_at": {
          "bsonType": "date"
        },
        "updated_at": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.7 Collection Feedback

2.1.2.7.1 Feedback Tree Diagram



2.1.2.7.2 Feedback Properties

PROPERTY	VALUE
Collection name	Feedback
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.7.3 Feedback Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
applicantId	objectId	false	fk		
clientId	objectId	false	fk		
rate	numeric	false			
comment	string	false			
createdAt	date	false			
updatedAt	date	false			

2.1.2.7.3.1 Field_id

2.1.2.7.3.1.1 _id Tree Diagram

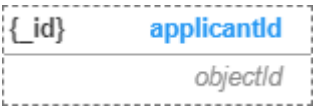


2.1.2.7.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.7.3.2 Field applicantId

2.1.2.7.3.2.1 applicantId Tree Diagram



2.1.2.7.3.2.2 applicantId properties

PROPERTY	VALUE
Name	applicantId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Applicant
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Applicant._id_to_Feedback.applicantId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.7.3.3 Field clientId

2.1.2.7.3.3.1 clientId Tree Diagram



2.1.2.7.3.3.2 clientId properties

PROPERTY	VALUE
Name	clientId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Client
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Client._id_to_Feedback.clientId
Cardinality	0..n
Default	
Sample	
Comments	

2.1.2.7.3.4 Field rate

2.1.2.7.3.4.1 rate Tree Diagram



2.1.2.7.3.4.2 rate properties

PROPERTY	VALUE
Name	rate
Technical name	
Activated	true
Id	
Field-level encryption	
Type	numeric
Subtype	
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Unit	
Min value	0
Excl min	
Max value	5
Excl max	
Multiple of	
Divisible by	
Enum	
Faker function	
Sample	
Comments	

2.1.2.7.3.5 Field comment

2.1.2.7.3.5.1 comment Tree Diagram

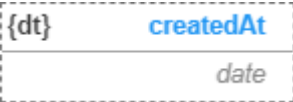


2.1.2.7.3.5.2 comment properties

PROPERTY	VALUE
Name	comment
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.7.3.6 Field createdAt

2.1.2.7.3.6.1 createdAt Tree Diagram



2.1.2.7.3.6.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Now	true
Faker function	
Sample	
Comments	

2.1.2.7.3.7 Field updatedAt

2.1.2.7.3.7.1 updatedAt Tree Diagram



2.1.2.7.3.7.2 updatedAt properties

PROPERTY	VALUE
Name	updatedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.7.4 Feedback JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Feedback",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "applicantId": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "clientId": {
      "type": "string",
      "pattern": "[a-zA-F0-9]{24}$"
    },
    "rate": {
      "type": "number",
      "maximum": 5,
      "minimum": 0
    },
    "comment": {
      "type": "string"
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    },
    "updatedAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.7.5 Feedback JSON data

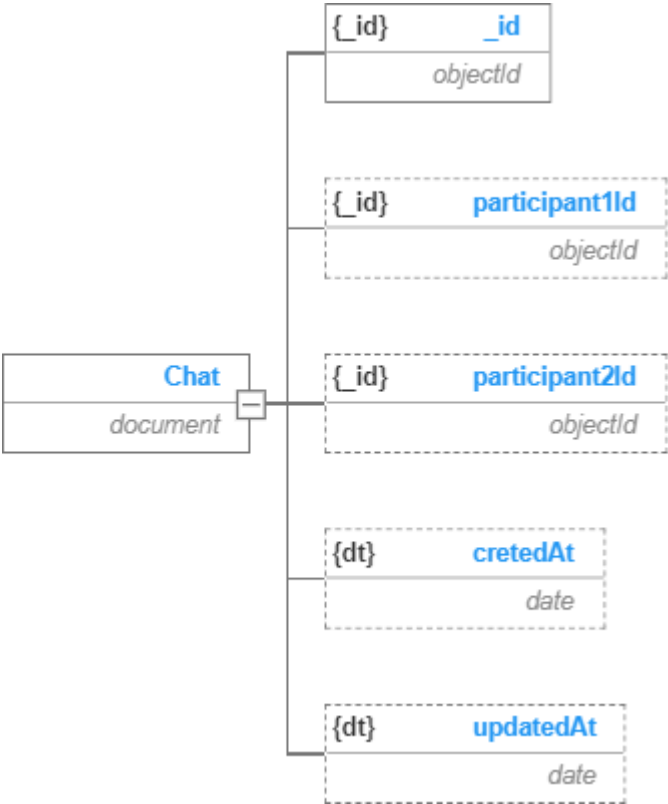
```
{
  "_id": ObjectId("d2fcda8dcffbcfc4ed8c2efe"),
  "applicantId": ObjectId("8bd1a9e6116d60c6dadab4ba8"),
  "clientId": ObjectId("05f37a9ee1cc0c313ad021dd"),
  "rate": 0,
  "comment": "Lorem",
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.7.6 Feedback Target Script


```
db.createCollection("Feedback", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Feedback",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "applicantId": {
          "bsonType": "objectId"
        },
        "clientId": {
          "bsonType": "objectId"
        },
        "rate": {
          "bsonType": "number",
          "maximum": 5,
          "minimum": 0
        },
        "comment": {
          "bsonType": "string"
        },
        "createdAt": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.8 Collection Chat

2.1.2.8.1 Chat Tree Diagram



2.1.2.8.2 Chat Properties

PROPERTY	VALUE
Collection name	Chat
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.8.3 Chat Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
participant1Id	objectId	false	fk		
participant2Id	objectId	false	fk		
createdAt	date	false			
updatedAt	date	false			

2.1.2.8.3.1 Field_id

2.1.2.8.3.1.1 _id Tree Diagram



2.1.2.8.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.8.3.2 Field participant1Id

2.1.2.8.3.2.1 participant1Id Tree Diagram



2.1.2.8.3.2.2 participant1Id properties

PROPERTY	VALUE
Name	participant1Id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Chat.participant1Id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.8.3.3 Field participant2Id

2.1.2.8.3.3.1 participant2Id Tree Diagram



2.1.2.8.3.3.2 participant2Id properties

PROPERTY	VALUE
Name	participant2Id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Chat.participant2Id
Cardinality	1
Default	
Sample	
Comments	

2.1.2.8.3.4 Field cryptedAt

2.1.2.8.3.4.1 cryptedAt Tree Diagram



2.1.2.8.3.4.2 cretedAt properties

PROPERTY	VALUE
Name	cretedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.8.3.5 Field updatedAt

2.1.2.8.3.5.1 updatedAt Tree Diagram



2.1.2.8.3.5.2 updatedAt properties

PROPERTY	VALUE
Name	updatedAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.8.4 Chat JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Chat",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "participant1Id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "participant2Id": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    },
    "updatedAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.8.5 Chat JSON data

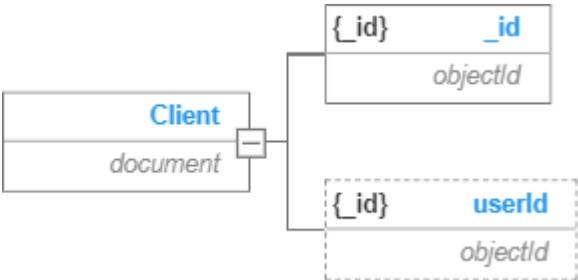
```
{
  "_id": ObjectId("e60bd7f5adc7eaadfc0fc402"),
  "participant1Id": ObjectId("f9cb82f91dddfdc55a74ea"),
  "participant2Id": ObjectId("7dd6c29ac7909dd2696b0d91"),
  "createdAt": ISODate("2016-04-08T15:06:21.595Z"),
  "updatedAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

2.1.2.8.6 Chat Target Script


```
db.createCollection("Chat", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Chat",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "participant1Id": {
          "bsonType": "objectId"
        },
        "participant2Id": {
          "bsonType": "objectId"
        },
        "cretedAt": {
          "bsonType": "date"
        },
        "updatedAt": {
          "bsonType": "date"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.9 Collection Client

2.1.2.9.1 Client Tree Diagram



2.1.2.9.2 Client Properties

PROPERTY	VALUE
Collection name	Client
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.9.3 Client Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk, dk		
userId	objectId	false			

2.1.2.9.3.1 Field _id

2.1.2.9.3.1.1 _id Tree Diagram



2.1.2.9.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.9.3.2 Field userId

2.1.2.9.3.2.1 userId Tree Diagram



2.1.2.9.3.2.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	
Relationship name	fk_User._id_to_Client.userId
Cardinality	1
Default	
Sample	
Comments	

2.1.2.9.4 Client JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Client",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "userId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.9.5 Client JSON data

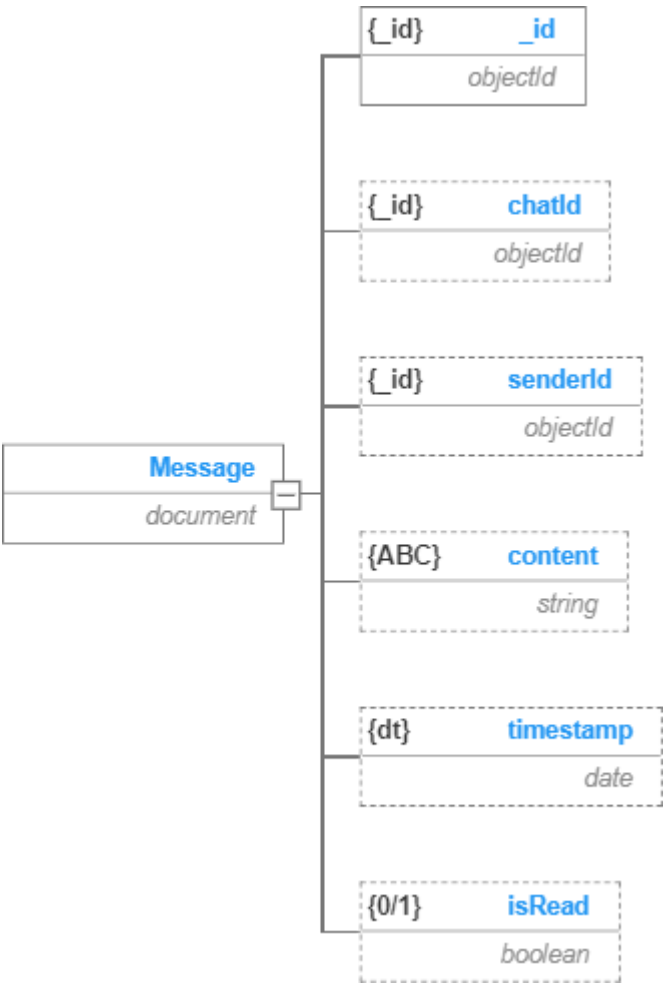
```
{
  "_id": ObjectId("70ff5a8897c85da04cd9da20"),
  "userId": ObjectId("cbfe2693ce2b5c62db417b5d")
}
```

2.1.2.9.6 Client Target Script

```
db.createCollection("Client", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Client",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "objectId"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.10 Collection Message

2.1.2.10.1 Message Tree Diagram



2.1.2.10.2 Message Properties

PROPERTY	VALUE
Collection name	Message
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.10.3 Message Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true	pk		
chatId	objectId	false	fk		
senderId	objectId	false	fk		
content	string	false			
timestamp	date	false			
isRead	boolean	false			

2.1.2.10.3.1 Field _id

2.1.2.10.3.1.1 _id Tree Diagram



2.1.2.10.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.10.3.2 Field chatId

2.1.2.10.3.2.1 chatId Tree Diagram



2.1.2.10.3.2.2 chatId properties

PROPERTY	VALUE
Name	chatId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Chat
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Chat._id_to_Message.chatId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.10.3.3 Field senderId

2.1.2.10.3.3.1 senderId Tree Diagram



2.1.2.10.3.3.2 senderId properties

PROPERTY	VALUE
Name	senderId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Message.senderId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.10.3.4 Field content

2.1.2.10.3.4.1 content Tree Diagram



2.1.2.10.3.4.2 content properties

PROPERTY	VALUE
Name	content
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.10.3.5 Field timestamp

2.1.2.10.3.5.1 timestamp Tree Diagram



2.1.2.10.3.5.2 timestamp properties

PROPERTY	VALUE
Name	timestamp
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.10.3.6 Field isRead

2.1.2.10.3.6.1 isRead Tree Diagram



2.1.2.10.3.6.2 isRead properties

PROPERTY	VALUE
Name	isRead
Technical name	
Activated	true
Id	
Field-level encryption	
Type	boolean
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.10.4 Message JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Message",
  "properties": {
    "_id": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "chatId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "senderId": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "content": {
      "type": "string"
    },
    "timestamp": {
      "type": "string",
      "format": "date"
    },
    "isRead": {
      "type": "boolean"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.10.5 Message JSON data

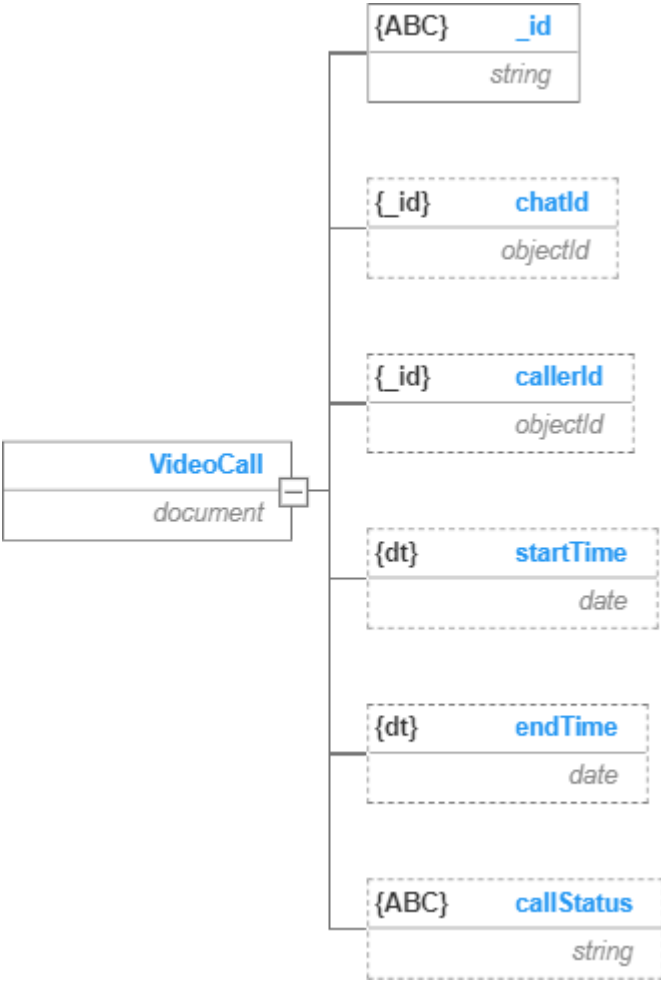
```
{
  "_id": ObjectId("c2969d5bceef9cbf1d3c8b3b"),
  "chatId": ObjectId("4ca57bcfe7a8bed160de004c"),
  "senderId": ObjectId("e5fa3dfe10b1a04fea9f5e1b"),
  "content": "Lorem",
  "timestamp": ISODate("2016-04-08T15:06:21.595Z"),
  "isRead": true
}
```

2.1.2.10.6 Message Target Script

```
db.createCollection("Message", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Message",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "chatId": {
          "bsonType": "objectId"
        },
        "senderId": {
          "bsonType": "objectId"
        },
        "content": {
          "bsonType": "string"
        },
        "timestamp": {
          "bsonType": "date"
        },
        "isRead": {
          "bsonType": "bool"
        }
      },
      "additionalProperties": false,
      "required": [
        "_id"
      ]
    }
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

2.1.2.11 Collection VideoCall

2.1.2.11.1 VideoCall Tree Diagram



2.1.2.11.2 VideoCall Properties

2.1.2.11.3 VideoCall Fields

2.1.2.11.3.1 Field_id

{ABC}	_id
	<i>string</i>

2.1.2.11.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	true
Primary key	true
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.11.3.2 Field chatId

2.1.2.11.3.2.1 chatId Tree Diagram



2.1.2.11.3.2 chatId properties

PROPERTY	VALUE
Name	chatId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Chat
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Chat._id_to_VideoCall.chatId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.11.3.3 Field callerId

2.1.2.11.3.3.1 callerId Tree Diagram



2.1.2.11.3.3.2 callerId properties

PROPERTY	VALUE
Name	callerId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_VideoCall.callerId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.11.3.4 Field startTime

2.1.2.11.3.4.1 startTime Tree Diagram



2.1.2.11.3.4.2 startTime properties

PROPERTY	VALUE
Name	startTime
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.11.3.5 Field endTime

2.1.2.11.3.5.1 endTime Tree Diagram



2.1.2.11.3.5.2 endTime properties

PROPERTY	VALUE
Name	endTime
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.11.3.6 Field callStatus

2.1.2.11.3.6.1 callStatus Tree Diagram



2.1.2.11.3.6.2 callStatus properties

PROPERTY	VALUE
Name	callStatus
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.11.4 VideoCall JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "VideoCall",
  "properties": {
    "_id": {
      "type": "string"
    },
    "chatId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "callerId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "startTime": {
      "type": "string",
      "format": "date"
    },
    "endTime": {
      "type": "string",
      "format": "date"
    },
    "callStatus": {
      "type": "string"
    }
  },
  "additionalProperties": false,
  "required": [
    "_id"
  ]
}
```

2.1.2.11.5 VideoCall JSON data

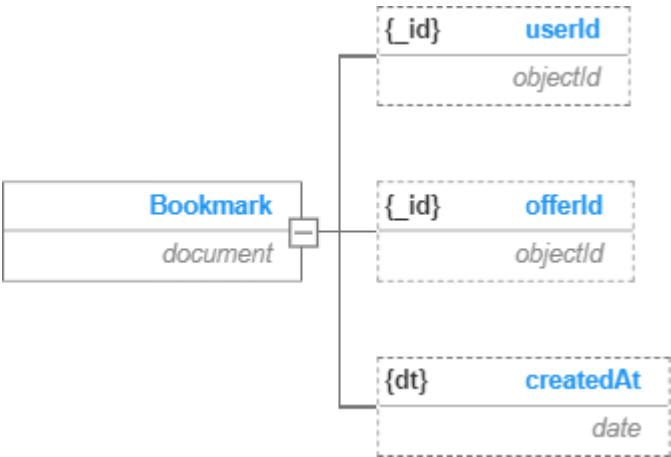
```
{
  "_id": "Lorem",
  "chatId": ObjectId("0db0ad2deedae7af5c4cfbb"),
  "callerId": ObjectId("b95a2076f9f410ed54f90dcc"),
  "startTime": ISODate("2016-04-08T15:06:21.595Z"),
  "endTime": ISODate("2016-04-08T15:06:21.595Z"),
  "callStatus": "Lorem"
}
```

2.1.2.11.6 VideoCall Target Script

```
db.createCollection("VideoCall", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "VideoCall",
      "properties": {
        "_id": {
          "bsonType": "string"
        },
        "chatId": {
          "bsonType": "objectId"
        },
        "callerId": {
          "bsonType": "objectId"
        },
        "startTime": {
          "bsonType": "date"
        },
        "endTime": {
          "bsonType": "date"
        },
        "callStatus": {
          "bsonType": "string"
        }
      }
    },
    "additionalProperties": false,
    "required": [
      "_id"
    ]
  }
},
"validationLevel": "off",
"validationAction": "warn"
));
```

2.1.2.12 Collection Bookmark

2.1.2.12.1 Bookmark Tree Diagram



2.1.2.12.2 Bookmark Properties

PROPERTY	VALUE
Collection name	Bookmark
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
Workload analysis	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Faker function	
Comments	

2.1.2.12.3 Bookmark Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
userId	objectId	false	fk		
offerId	objectId	false	fk		
createdAt	date	false			

2.1.2.12.3.1 Field userId

2.1.2.12.3.1.1 userId Tree Diagram



2.1.2.12.3.1.2 userId properties

PROPERTY	VALUE
Name	userId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	User
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_User._id_to_Bookmark.userId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.12.3.2 Field offerId

2.1.2.12.3.2.1 offerId Tree Diagram



2.1.2.12.3.2.2 offerId properties

PROPERTY	VALUE
Name	offerId
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	Offer
Foreign field	_id
Relationship type	Foreign Key
Relationship name	fk_Offer._id_to_Bookmark.offerId
Cardinality	n
Default	
Sample	
Comments	

2.1.2.12.3.3 Field createdAt

2.1.2.12.3.3.1 createdAt Tree Diagram



2.1.2.12.3.3.2 createdAt properties

PROPERTY	VALUE
Name	createdAt
Technical name	
Activated	true
Id	
Field-level encryption	
Type	date
Description	
Dependencies	
Required	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Now	
Faker function	
Sample	
Comments	

2.1.2.12.4 Bookmark JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "Bookmark",
  "properties": {
    "userId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "offerId": {
      "type": "string",
      "pattern": "^[a-fA-F0-9]{24}$"
    },
    "createdAt": {
      "type": "string",
      "format": "date"
    }
  },
  "additionalProperties": false
}
```

2.1.2.12.5 Bookmark JSON data

```
{
  "userId": ObjectId("ae891e1f9f98d32ad91d1243"),
  "offerId": ObjectId("f4ed5eb46559a867ccb135a9"),
  "createdAt": ISODate("2016-04-08T15:06:21.595Z")
}
```

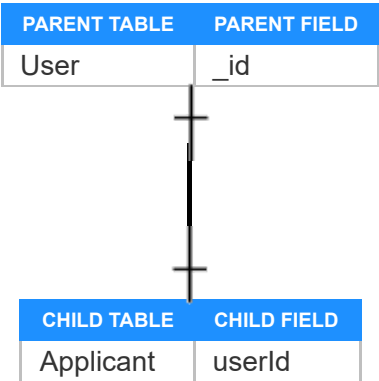
2.1.2.12.6 Bookmark Target Script

```
db.createCollection("Bookmark", {
  "capped": false,
  "validator": {
    "$jsonSchema": {
      "bsonType": "object",
      "title": "Bookmark",
      "properties": {
        "_id": {
          "bsonType": "objectId"
        },
        "userId": {
          "bsonType": "objectId"
        },
        "offerId": {
          "bsonType": "objectId"
        },
        "createdAt": {
          "bsonType": "date"
        }
      }
    },
    "additionalProperties": false
  },
  "validationLevel": "off",
  "validationAction": "warn"
});
```

3. RELATIONSHIPS

3.1 Relationship fk_User._id_to_Applicant.userId

3.1.1 fk_User._id_to_Applicant.userId Diagram

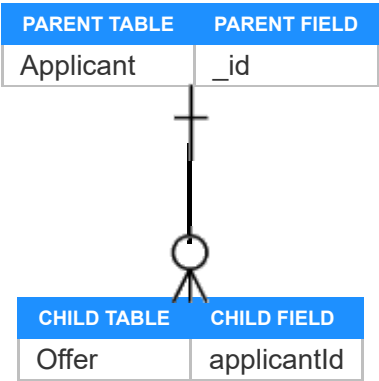


3.1.2 fk_User._id_to_Applicant.userId Properties

PROPERTY	VALUE
Name	fk_User._id_to_Applicant.userId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Applicant
Child field	userId
Child Cardinality	1
Comments	

3.2 Relationship fk_Applicant._id_to_Offer.applicantId

3.2.1 fk_Applicant._id_to_Offer.applicantId Diagram

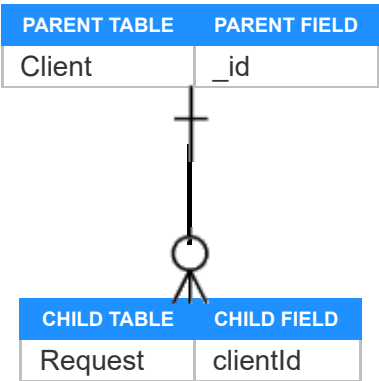


3.2.2 fk_Applicant._id_to_Offer.applicantId Properties

PROPERTY	VALUE
Name	fk_Applicant._id_to_Offer.applicantId
Description	
Parent Collection	Applicant
Parent field	_id
Parent Cardinality	1
Child Collection	Offer
Child field	applicantId
Child Cardinality	0..n
Comments	

3.3 Relationship fk_Client._id_to_Request.clientId

3.3.1 fk_Client._id_to_Request.clientId Diagram

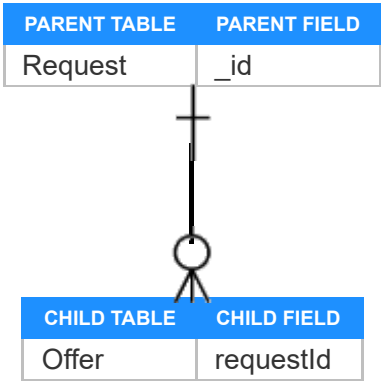


3.3.2 fk_Client._id_to_Request.clientId Properties

PROPERTY	VALUE
Name	fk_Client._id_to_Request.clientId
Description	
Parent Collection	Client
Parent field	_id
Parent Cardinality	1
Child Collection	Request
Child field	clientId
Child Cardinality	0..n
Comments	

3.4 Relationship fk_Request._id_to_Offer.requestId

3.4.1 fk_Request._id_to_Offer.requestId Diagram

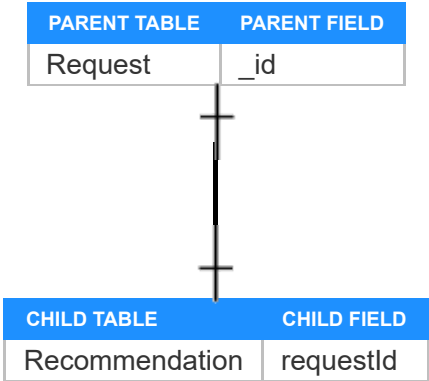


3.4.2 fk_Request._id_to_Offer.requestId Properties

PROPERTY	VALUE
Name	fk_Request._id_to_Offer.requestId
Description	
Parent Collection	Request
Parent field	_id
Parent Cardinality	1
Child Collection	Offer
Child field	requestId
Child Cardinality	0..n
Comments	

3.5 Relationship fk_Request._id_to_Recommendation.requestId

3.5.1 fk_Request._id_to_Recommendation.requestId Diagram

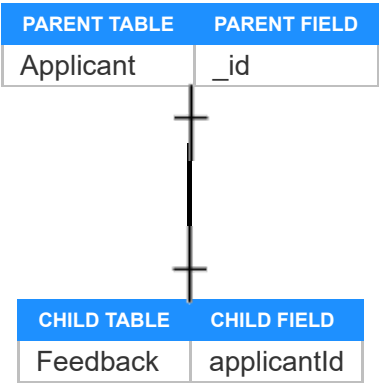


3.5.2 fk_Request._id_to_Recommendation.requestId Properties

PROPERTY	VALUE
Name	fk_Request._id_to_Recommendation.requestId
Description	
Parent Collection	Request
Parent field	_id
Parent Cardinality	1
Child Collection	Recommendation
Child field	requestId
Child Cardinality	1
Comments	

3.6 Relationship fk_Applicant._id_to_Feedback.applicantId

3.6.1 fk_Applicant._id_to_Feedback.applicantId Diagram

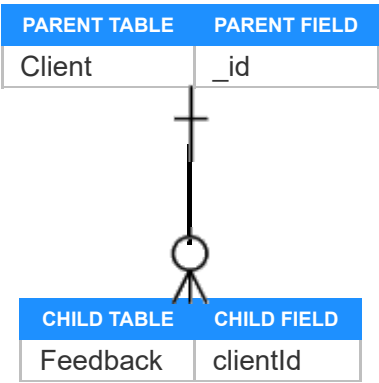


3.6.2 fk_Applicant._id_to_Feedback.applicantId Properties

PROPERTY	VALUE
Name	fk_Applicant._id_to_Feedback.applicantId
Description	
Parent Collection	Applicant
Parent field	_id
Parent Cardinality	1
Child Collection	Feedback
Child field	applicantId
Child Cardinality	1
Comments	

3.7 Relationship fk_Client._id_to_Feedback.clientId

3.7.1 fk_Client._id_to_Feedback.clientId Diagram

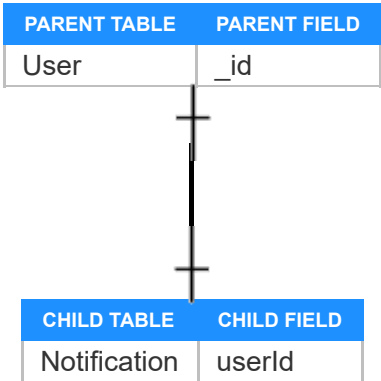


3.7.2 fk_Client._id_to_Feedback.clientId Properties

PROPERTY	VALUE
Name	fk_Client._id_to_Feedback.clientId
Description	
Parent Collection	Client
Parent field	_id
Parent Cardinality	1
Child Collection	Feedback
Child field	clientId
Child Cardinality	0..n
Comments	

3.8 Relationship fk_User._id_to_Notification.userId

3.8.1 fk_User._id_to_Notification.userId Diagram

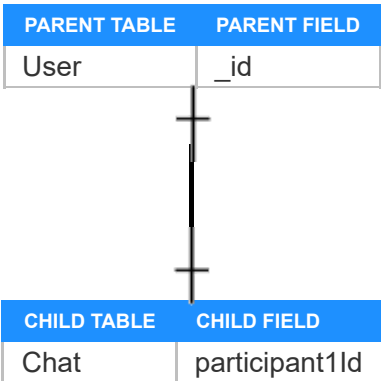


3.8.2 fk_User._id_to_Notification.userId Properties

PROPERTY	VALUE
Name	fk_User._id_to_Notification.userId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Notification
Child field	userId
Child Cardinality	1
Comments	

3.9 Relationship fk_User._id_to_Chat.participant1Id

3.9.1 fk_User._id_to_Chat.participant1Id Diagram

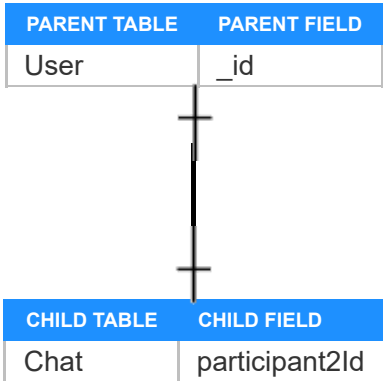


3.9.2 fk_User._id_to_Chat.participant1Id Properties

PROPERTY	VALUE
Name	fk_User._id_to_Chat.participant1Id
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Chat
Child field	participant1Id
Child Cardinality	1
Comments	

3.10 Relationship fk_User._id_to_Chat.participant2Id

3.10.1 fk_User._id_to_Chat.participant2Id Diagram

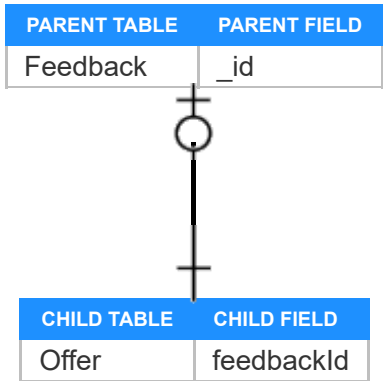


3.10.2 fk_User._id_to_Chat.participant2Id Properties

PROPERTY	VALUE
Name	fk_User._id_to_Chat.participant2Id
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Chat
Child field	participant2Id
Child Cardinality	1
Comments	

3.11 Relationship fk_Feedback._id_to_Offer.feedbackId

3.11.1 fk_Feedback._id_to_Offer.feedbackId Diagram

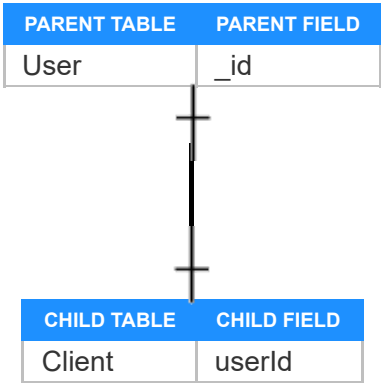


3.11.2 fk_Feedback._id_to_Offer.feedbackId Properties

PROPERTY	VALUE
Name	fk_Feedback._id_to_Offer.feedbackId
Description	
Parent Collection	Feedback
Parent field	_id
Parent Cardinality	0..1
Child Collection	Offer
Child field	feedbackId
Child Cardinality	1
Comments	

3.12 Relationship fk_User._id_to_Client.userId

3.12.1 fk_User._id_to_Client.userId Diagram

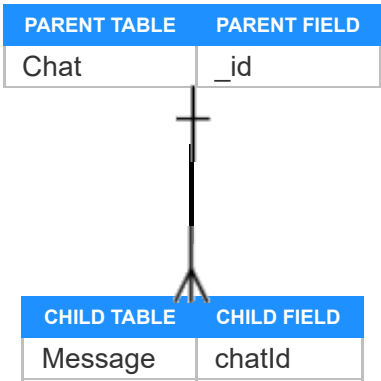


3.12.2 fk_User._id_to_Client.userId Properties

PROPERTY	VALUE
Name	fk_User._id_to_Client.userId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Client
Child field	userId
Child Cardinality	1
Comments	

3.13 Relationship fk_Chat._id_to_Message.chatId

3.13.1 fk_Chat._id_to_Message.chatId Diagram

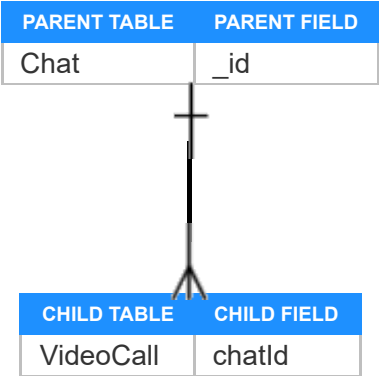


3.13.2 fk_Chat._id_to_Message.chatId Properties

PROPERTY	VALUE
Name	fk_Chat._id_to_Message.chatId
Description	
Parent Collection	Chat
Parent field	_id
Parent Cardinality	1
Child Collection	Message
Child field	chatId
Child Cardinality	n
Comments	

3.14 Relationship fk_Chat._id_to_VideoCall.chatId

3.14.1 fk_Chat._id_to_VideoCall.chatId Diagram

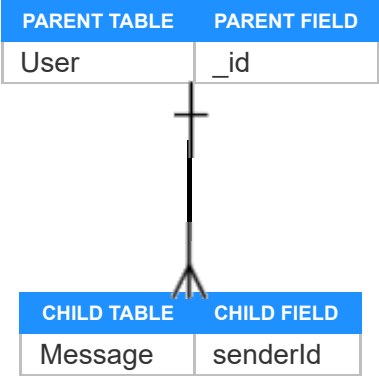


3.14.2 fk_Chat._id_to_VideoCall.chatId Properties

PROPERTY	VALUE
Name	fk_Chat._id_to_VideoCall.chatId
Description	
Parent Collection	Chat
Parent field	_id
Parent Cardinality	1
Child Collection	VideoCall
Child field	chatId
Child Cardinality	n
Comments	

3.15 Relationship fk_User._id_to_Message.senderId

3.15.1 fk_User._id_to_Message.senderId Diagram

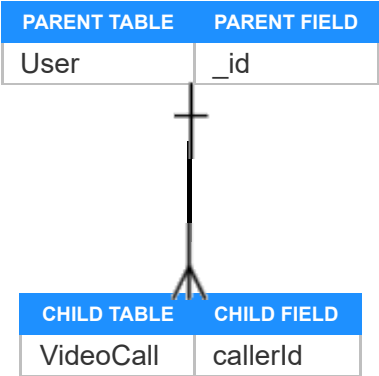


3.15.2 fk_User._id_to_Message.senderId Properties

PROPERTY	VALUE
Name	fk_User._id_to_Message.senderId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Message
Child field	senderId
Child Cardinality	n
Comments	

3.16 Relationship fk_User._id_to_VideoCall.callerId

3.16.1 fk_User._id_to_VideoCall.callerId Diagram

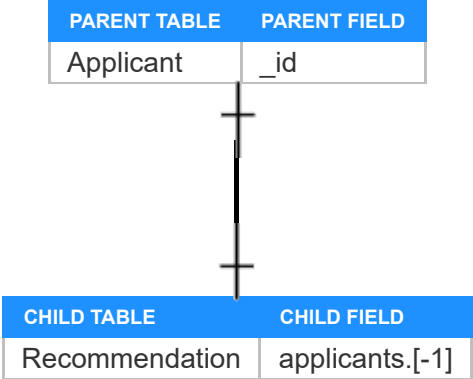


3.16.2 fk_User._id_to_VideoCall.callerId Properties

PROPERTY	VALUE
Name	fk_User._id_to_VideoCall.callerId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	VideoCall
Child field	callerId
Child Cardinality	n
Comments	

3.17 Relationship fk_Applicant._id_to_Recommendation.applicants.[0]

3.17.1 fk_Applicant._id_to_Recommendation.applicants.[0] Diagram

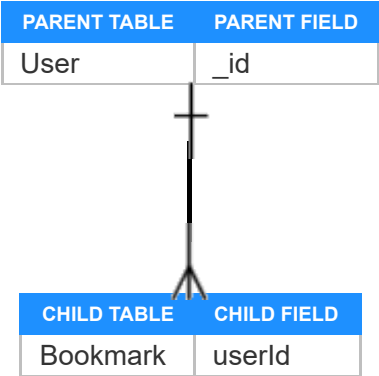


3.17.2 fk_Applicant._id_to_Recommendation.applicants.[0] Properties

PROPERTY	VALUE
Name	fk_Applicant._id_to_Recommendation.applicants.[0]
Description	
Parent Collection	Applicant
Parent field	_id
Parent Cardinality	1
Child Collection	Recommendation
Child field	
Child Cardinality	1
Comments	

3.18 Relationship fk_User._id_to_Bookmark.userId

3.18.1 fk_User._id_to_Bookmark.userId Diagram

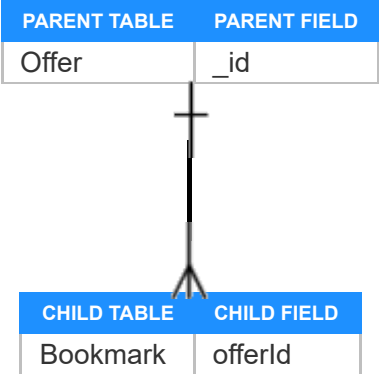


3.18.2 fk_User._id_to_Bookmark.userId Properties

PROPERTY	VALUE
Name	fk_User._id_to_Bookmark.userId
Description	
Parent Collection	User
Parent field	_id
Parent Cardinality	1
Child Collection	Bookmark
Child field	userId
Child Cardinality	n
Comments	

3.19 Relationship fk_Offer._id_to_Bookmark.offerId

3.19.1 fk_Offer._id_to_Bookmark.offerId Diagram



3.19.2 fk_Offer._id_to_Bookmark.offerId Properties

PROPERTY	VALUE
Name	fk_Offer._id_to_Bookmark.offerId
Description	
Parent Collection	Offer
Parent field	_id
Parent Cardinality	1
Child Collection	Bookmark
Child field	offerId
Child Cardinality	n
Comments	